



July 2009

**DEPARTMENT OF EDUCATION**  
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at [www.maine.gov/education/mea/index.htm](http://www.maine.gov/education/mea/index.htm).

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron  
Commissioner of Education



## School Report Grade 5

Test Date: March 2009  
Code: 12481700  
SAU: MSAD 54  
School: Canaan Elementary School

### Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

<i>Topic</i>	<i>Page</i>
Summary of Scores .....	2
Summary of Student Participation .....	3
English Language Arts – Reading Results .....	4-6
Mathematics Results .....	7-9
Science Results .....	10-12

# SUMMARY OF SCORES

Test Date: March 2009

Grade: 5

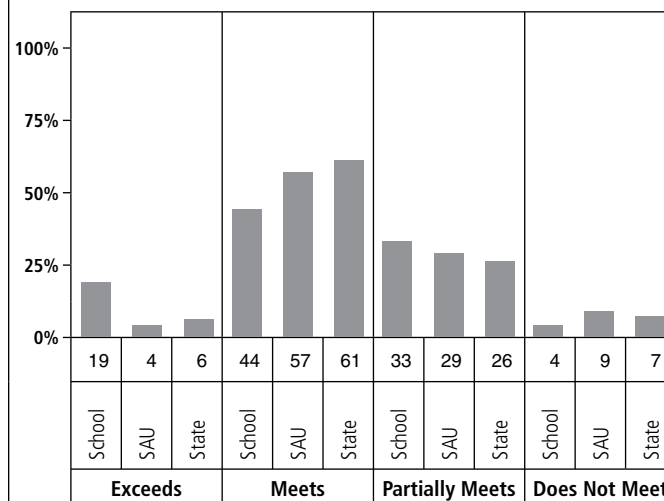
SAU: MSAD 54

School: Canaan Elementary School

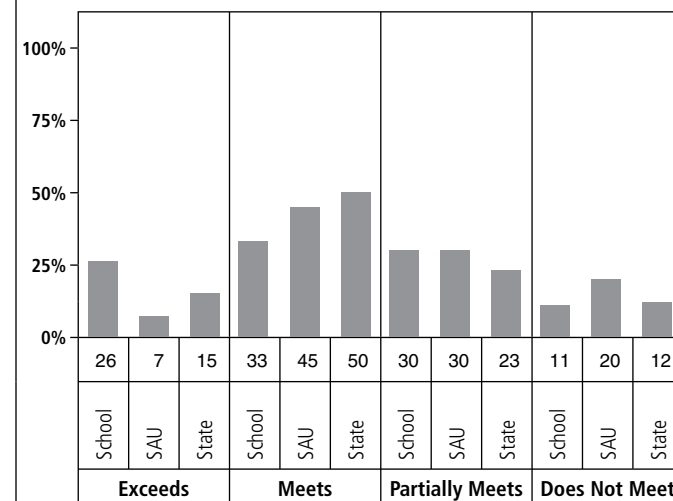
## Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
<b>ELA – Reading</b>			
2006–2007	543	543	544
2007–2008	544	542	545
<b>2008–2009</b>	<b>548</b>	<b>544</b>	<b>546</b>
Cum. Avg.*	545	543	545
<b>Mathematics</b>			
2006–2007	545	544	546
2007–2008	550	542	546
<b>2008–2009</b>	<b>547</b>	<b>542</b>	<b>547</b>
Cum. Avg.*	547	543	546
<b>Science</b>			
<b>2008–2009 **</b>	<b>544</b>	<b>540</b>	<b>543</b>

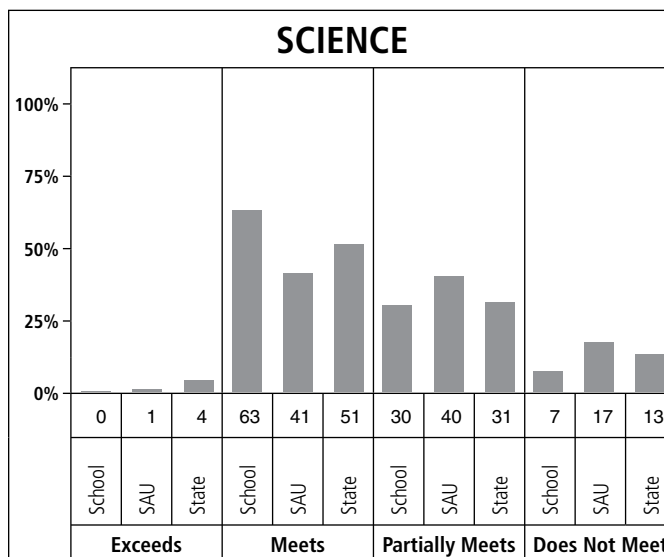
## ELA – READING



## MATHEMATICS



## SCIENCE



\*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

\*\*Because science testing moved from grade 4 to grade 5 in March 2009, science standards were reset and therefore no historical data are available.

# SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009  
Grade: 5  
SAU: MSAD 54  
School: Canaan Elementary School

CATEGORY OF PARTICIPATION	Enrollment <sup>1</sup> during testing window						CONTENT AREA PARTICIPATION <sup>2</sup>																	
	School		SAU		State		ELA-Reading						Mathematics						Science					
							School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>Total number of students</b>	27	100	205	100	14212	100	27	100	204	100	14135	100	27	100	203	100	14144	100	27	100	204	100	14137	100
<b>Ethnicity</b> African American/Black	1	4	3	1	397	3	1	100	3	100	388	98	1	100	3	100	393	99	1	100	3	100	389	98
American Indian or Native Alaskan	0	0	0	0	110	1	0	0	0	0	110	100	0	0	0	0	110	100	0	0	0	0	110	100
Asian or Pacific Islander	0	0	2	1	259	2	0	0	2	100	253	98	0	0	2	100	258	100	0	0	2	100	257	99
Hispanic	0	0	3	1	175	1	0	0	2	100	172	99	0	0	2	100	172	99	0	0	2	100	173	99
Caucasian/White	26	96	197	96	13271	93	26	100	197	100	13212	100	26	100	196	99	13211	100	26	100	197	100	13208	100
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Identified disability</b>	7	26	42	20	2479	17	7	100	41	100	2454	100	7	100	41	100	2455	100	7	100	41	100	2451	99
<b>Current LEP</b>	0	0	1	0	374	3	0	0	1	100	359	96	0	0	1	100	370	99	0	0	1	100	366	98
<b>Economically disadvantaged</b>	19	70	110	54	5848	41	19	100	110	100	5815	100	19	100	109	99	5819	100	19	100	110	100	5812	100
<b>Migrant</b>	0	0	0	0	8	0	0	0	0	0	8	100	0	0	0	0	8	100	0	0	0	0	8	100

MODE OF PARTICIPATION <sup>3</sup>	ELA-Reading						Mathematics						Science					
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>Participation without accommodations</b>	15	56	142	69	10849	76	16	59	155	76	10872	76	16	59	159	78	10976	77
Identified disability (PET/IEP)	0	0	5	4	298	3	0	0	6	4	307	3	0	0	8	5	338	3
LEP	0	0	0	0	170	2	0	0	0	0	169	2	0	0	0	0	177	2
504 plan	0	0	1	1	123	1	0	0	2	1	121	1	0	0	3	2	126	1
<b>Participation with accommodations</b>	12	44	59	29	3122	22	11	41	45	22	3124	22	11	41	42	20	3019	21
Identified disability (PET/IEP)	7	58	33	56	1992	64	7	64	32	71	2000	64	7	64	30	71	1971	65
LEP	0	0	1	2	184	6	0	0	1	2	196	6	0	0	1	2	184	6
504 plan	0	0	2	3	84	3	0	0	1	2	86	3	0	0	0	0	81	3
Other	5	42	23	39	907	29	4	36	11	24	886	28	4	36	11	26	826	27
<b>Participation through alternate assessment (PAAP)</b>	0	0	3	1	164	1	0	0	3	1	148	1	0	0	3	1	142	1
Identified disability (PET/IEP)	0	0	3	100	164	100	0	0	3	100	148	100	0	0	3	100	142	100
LEP	0	0	0	0	5	3	0	0	0	0	5	3	0	0	0	0	5	4
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Approved non-participation in reading – 1st year LEP</b>	0	0	0	0	0	0												
<b>Approved non-participation – special consideration</b>	0	0	1	0	19	0	0	0	1	0	19	0	0	0	1	0	20	0
<b>Non-participation – other</b>	0	0	0	0	58	0	0	0	1	0	49	0	0	0	0	0	55	0

<sup>1</sup>Percents are the percentage of students enrolled in each participation category.

<sup>2</sup>Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

<sup>3</sup>Percents are the percentage of students in each content area by mode.

# ELA–READING RESULTS

Test Date: March 2009  
Grade: 5  
SAU: MSAD 54  
School: Canaan Elementary School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 562–580)	2006-2007	2	6	10	5	702	5
	2007-2008	2	6	6	3	659	5
	<b>2008-2009</b>	<b>5</b>	<b>19</b>	<b>9</b>	<b>4</b>	<b>836</b>	<b>6</b>
	Cum. Total*	9	10	25	4	2197	5
<b>Meets the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 542–560)	2006-2007	15	45	101	49	7730	55
	2007-2008	17	55	96	47	8195	58
	<b>2008-2009</b>	<b>12</b>	<b>44</b>	<b>115</b>	<b>57</b>	<b>8495</b>	<b>61</b>
	Cum. Total*	44	48	312	51	24420	58
<b>Partially Meets the Standards</b> – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 532–540)	2006-2007	13	39	68	33	4182	30
	2007-2008	12	39	77	38	3800	27
	<b>2008-2009</b>	<b>9</b>	<b>33</b>	<b>58</b>	<b>29</b>	<b>3667</b>	<b>26</b>
	Cum. Total*	34	37	203	33	11649	28
<b>Does Not Meet the Standards</b> – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 500–530)	2006-2007	3	9	29	14	1419	10
	2007-2008	0	0	25	12	1362	10
	<b>2008-2009</b>	<b>1</b>	<b>4</b>	<b>19</b>	<b>9</b>	<b>973</b>	<b>7</b>
	Cum. Total*	4	4	73	12	3754	9

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	48	100	31.7	66.0	29.7	61.9	30.8	64.2
A1/A2 Interconnected Elements/Literary Text	24	50	15.3	63.8	14.6	60.8	15.0	62.5
A1/A3 Interconnected Elements/Informational Text	24	50	16.4	68.3	15.1	62.9	15.8	65.8

The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:  
<http://www.maine.gov/education/lres/pei/index.html>.



# ELA-READING RESULTS

## (CONTINUED)

Test Date: March 2009  
 Grade: 5  
 SAU: MSAD 54  
 School: Canaan Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	27	5	19	12	44	9	33	1	4	548	201	4	57	29	9	544	13971	6	61	26	7	546
<b>Ethnicity</b>																						
African American/Black	1										3						381	2	44	31	23	540
American Indian or Native Alaskan	0										0						110	0	48	38	14	541
Asian or Pacific Islander	0										2						252	11	58	21	11	547
Hispanic	0										1						166	4	54	32	10	543
Caucasian/White	26	4	15	12	46	9	35	1	4	547	195	4	58	28	10	544	13062	6	62	26	6	546
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	7	0	0	1	14	5	71	1	14	539	38	0	16	53	32	535	2290	0	29	47	23	537
No	20	5	25	11	55	4	20	0	0	551	163	6	67	23	4	546	11681	7	67	22	4	548
<b>Current LEP</b>																						
Yes	0										1						354	1	35	34	30	538
No	27	5	19	12	44	9	33	1	4	548	200	5	57	29	10	544	13617	6	61	26	6	546
<b>Economically disadvantaged</b>																						
Yes	19	1	5	10	53	7	37	1	5	545	108	2	52	32	14	543	5716	2	51	35	12	542
No	8	4	50	2	25	2	25	0	0	554	93	8	63	25	4	546	8255	9	67	20	4	548
<b>Migrant</b>																						
Yes	0										0						8	0	38	25	38	538
No	27	5	19	12	44	9	33	1	4	548	201	4	57	29	9	544	13963	6	61	26	7	546
<b>Gender</b>																						
Female	19	3	16	9	47	7	37	0	0	548	107	4	57	33	7	545	6882	8	62	24	6	547
Male	8	2	25	3	38	2	25	1	13	548	94	5	57	24	13	544	7089	4	60	28	8	545
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	4										33	0	52	42	6	542	1914	1	41	44	14	540
No	23	5	22	10	43	7	30	1	4	549	168	5	58	26	10	545	12057	7	64	23	6	547
<b>Gifted/talented program</b>																						
Yes	0										0						450	26	72	2	0	557
No	27	5	19	12	44	9	33	1	4	548	201	4	57	29	9	544	13521	5	60	27	7	545

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# ELA-READING RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009

Grade: 5

SAU: MSAD 54

School: Canaan Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	0										5	0	40	40	20	539	4	2	40	34	24	540
B. less than one hour	67	2	11	8	44	7	39	1	6	546	61	5	61	26	8	545	70	6	63	26	6	546
C. one to two hours	26	3	43	3	43	1	14	0	0	553	29	5	57	30	7	545	24	7	61	26	6	546
D. more than two hours	7	0	0	1	50	1	50	0	0	546	5	0	50	30	20	539	2	4	42	33	21	541
<b>Which of the following best describes how you rate yourself as a student in reading?</b>																						
A. very good	26	4	57	2	29	1	14	0	0	558	35	7	68	19	6	547	36	10	67	18	5	549
B. good	52	1	7	8	57	5	36	0	0	546	48	3	59	30	9	544	47	5	62	27	6	546
C. fair	22	0	0	2	33	3	50	1	17	539	16	0	39	42	19	540	15	2	47	40	12	541
D. poor	0										1	0	50	50	0	539	2	0	30	46	24	537
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?</b>																						
A. The questions on the test match what I have learned in reading class.	30	3	38	4	50	1	13	0	0	556	33	6	66	25	3	547	31	9	65	20	5	548
B. They match some of what I have learned.	52	1	7	7	50	5	36	1	7	545	51	2	59	28	11	544	55	5	63	27	5	546
C. They match just a little of what I have learned.	7	1	50	0	0	1	50	0	0	547	12	8	46	33	13	542	10	3	45	38	14	542
D. There is no match.	11	0	0	1	33	2	67	0	0	540	4	0	38	38	25	537	3	1	31	41	27	537
<b>How difficult was the reading part of this test?</b>																						
A. more difficult than my regular schoolwork	12	0	0	1	33	1	33	1	33	537	11	0	32	32	36	537	16	3	49	32	15	542
B. about the same as my regular schoolwork	73	4	21	9	47	6	32	0	0	550	62	7	59	29	5	546	64	7	63	25	5	547
C. easier than my regular schoolwork	15	1	25	1	25	2	50	0	0	545	26	2	69	24	6	546	20	5	62	26	7	546
<b>How difficult were the reading passages on this test?</b>																						
A. Most of the passages were more difficult than what I normally read.	15	0	0	0	0	3	75	1	25	534	11	0	24	43	33	535	10	1	33	42	24	538
B. Most of the passages were about the same as what I normally read.	52	2	14	8	57	4	29	0	0	547	56	3	61	28	8	544	52	4	61	29	6	545
C. Most of the passages were easier than what I normally read.	33	3	33	4	44	2	22	0	0	554	33	9	65	23	3	549	38	10	68	18	4	549
<b>How much time do you spend reading at home each day?</b>																						
A. more than one hour	26	2	29	3	43	2	29	0	0	549	20	5	58	30	8	545	20	10	64	21	5	548
B. 20 minutes to an hour	63	3	18	8	47	6	35	0	0	549	60	6	60	27	7	546	56	7	65	24	5	547
C. less than 20 minutes	11	0	0	1	33	1	33	1	33	536	10	0	50	20	30	539	10	3	52	33	12	543
D. I rarely read at home.	0										9	0	56	39	6	542	14	1	46	38	14	541
<b>How many pages do you read in school and to complete homework assignments?</b>																						
A. five or fewer pages	26	0	0	3	43	3	43	1	14	542	30	2	63	25	11	545	25	3	53	33	11	543
B. six to ten pages	37	1	10	5	50	4	40	0	0	546	32	5	51	36	8	543	26	6	61	26	7	546
C. eleven or more pages	37	4	40	4	40	2	20	0	0	554	38	7	59	25	10	545	49	8	65	23	5	547
<b>Optional school/SAU question</b>																						
A.	0										0											
B.	0										25	0	100	0	0	544						
C.	0										25	0	0	100	0	532						
D.	100	1	100	0	0	0	0	0	0	572	50	50	0	50	0	553						

# MATHEMATICS RESULTS

Test Date: March 2009  
Grade: 5  
SAU: MSAD 54  
School: Canaan Elementary School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 562–580)	2006-2007	4	12	16	8	1711	12
	2007-2008	4	13	18	9	1617	12
	<b>2008-2009</b>	<b>7</b>	<b>26</b>	<b>13</b>	<b>7</b>	<b>2119</b>	<b>15</b>
	Cum. Total*	15	16	47	8	5447	13
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 542–560)	2006-2007	16	48	99	48	6778	48
	2007-2008	18	58	88	43	7284	52
	<b>2008-2009</b>	<b>9</b>	<b>33</b>	<b>89</b>	<b>45</b>	<b>7046</b>	<b>50</b>
	Cum. Total*	43	47	276	45	21108	50
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 530–540)	2006-2007	9	27	63	30	3884	28
	2007-2008	9	29	66	32	3341	24
	<b>2008-2009</b>	<b>8</b>	<b>30</b>	<b>59</b>	<b>30</b>	<b>3193</b>	<b>23</b>
	Cum. Total*	26	29	188	31	10418	25
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 500–528)	2006-2007	4	12	30	14	1683	12
	2007-2008	0	0	32	16	1778	13
	<b>2008-2009</b>	<b>3</b>	<b>11</b>	<b>39</b>	<b>20</b>	<b>1638</b>	<b>12</b>
	Cum. Total*	7	8	101	17	5099	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
<b>Mathematics Total Points</b>	<b>48</b>	<b>100</b>	25.4	52.9	22.5	46.9	25.5	53.1
<b>A. Number</b>	<b>18</b>	<b>38</b>	9.4	52.2	8.4	46.7	9.8	54.4
<b>B. Data</b>	<b>10</b>	<b>21</b>	5.2	52.0	4.4	44.0	5.2	52.0
<b>C. Geometry</b>	<b>10</b>	<b>21</b>	5.3	53.0	4.4	44.0	4.7	47.0
<b>D. Algebra</b>	<b>10</b>	<b>21</b>	5.5	55.0	5.3	53.0	5.7	57.0

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.



# MATHEMATICS RESULTS

## (CONTINUED)

Test Date: March 2009  
 Grade: 5  
 SAU: MSAD 54  
 School: Canaan Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	27	7	26	9	33	8	30	3	11	547	200	7	45	30	20	542	13996	15	50	23	12	547
<b>Ethnicity</b>																						
African American/Black	1										3						385	6	35	28	30	537
American Indian or Native Alaskan	0										0						110	5	42	34	20	540
Asian or Pacific Islander	0										2						257	19	50	20	12	548
Hispanic	0										1						166	9	43	31	17	543
Caucasian/White	26	6	23	9	35	8	31	3	12	546	194	6	45	29	20	542	13078	15	51	23	11	547
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	7	0	0	1	14	4	57	2	29	534	38	0	26	42	32	533	2307	3	32	32	33	536
No	20	7	35	8	40	4	20	1	5	551	162	8	49	27	17	544	11689	17	54	21	8	549
<b>Current LEP</b>																						
Yes	0										1						365	5	33	30	32	536
No	27	7	26	9	33	8	30	3	11	547	199	7	44	30	20	542	13631	15	51	23	11	547
<b>Economically disadvantaged</b>																						
Yes	19	4	21	6	32	6	32	3	16	544	107	6	41	28	25	540	5731	7	46	29	18	542
No	8	3	38	3	38	2	25	0	0	554	93	8	48	31	13	544	8265	21	53	19	7	550
<b>Migrant</b>																						
Yes	0										0						8	0	38	50	13	540
No	27	7	26	9	33	8	30	3	11	547	200	7	45	30	20	542	13988	15	50	23	12	547
<b>Gender</b>																						
Female	19	5	26	6	32	6	32	2	11	546	106	8	44	23	25	541	6889	14	51	23	12	546
Male	8	2	25	3	38	2	25	1	13	549	94	4	45	37	14	543	7107	16	50	23	11	547
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	4										32	3	34	25	38	535	1918	3	39	36	22	539
No	23	7	30	6	26	8	35	2	9	548	168	7	46	30	16	543	12078	17	52	21	10	548
<b>Gifted/talented program</b>																						
Yes	0										0						450	64	34	2	0	564
No	27	7	26	9	33	8	30	3	11	547	200	7	45	30	20	542	13546	14	51	23	12	546

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# MATHEMATICS RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009

Grade: 5

SAU: MSAD 54

School: Canaan Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	0										5	10	50	30	10	541	4	8	38	26	28	539
B. less than one hour	67	3	17	6	33	7	39	2	11	545	61	7	46	29	18	542	70	15	52	23	10	547
C. one to two hours	26	4	57	2	29	0	0	1	14	555	29	7	39	30	23	541	24	15	51	23	11	547
D. more than two hours	7	0	0	1	50	1	50	0	0	540	5	0	60	20	20	542	2	9	37	24	30	539
<b>Which of the following best describes how you rate yourself as a student in mathematics?</b>																						
A. very good	26	3	43	2	29	2	29	0	0	555	40	8	58	23	12	546	34	28	50	14	8	552
B. good	41	3	27	3	27	4	36	1	9	547	39	7	43	33	17	542	45	11	54	24	10	546
C. fair	30	1	13	3	38	2	25	2	25	539	18	3	23	34	40	533	18	3	45	33	19	540
D. poor	4	0	0	1	100	0	0	0	0	546	3	0	33	33	33	536	3	1	29	41	29	535
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?</b>																						
A. The questions on the test match what I have learned in mathematics class.	37	5	50	4	40	1	10	0	0	555	35	10	46	32	12	545	38	22	52	19	7	550
B. They match some of what I have learned.	48	2	15	3	23	6	46	2	15	542	49	6	52	26	16	543	48	12	53	24	11	546
C. They match just a little of what I have learned.	11	0	0	1	33	1	33	1	33	537	11	0	18	27	55	530	11	6	40	30	24	540
D. There is no match.	4	0	0	1	100	0	0	0	0	550	5	0	33	44	22	536	3	6	26	29	38	534
<b>How difficult was the mathematics part of this test?</b>																						
A. more difficult than my regular schoolwork	19	1	20	0	0	2	40	2	40	535	22	7	26	31	36	537	17	7	42	30	21	540
B. about the same as my regular schoolwork	67	4	22	8	44	6	33	0	0	549	63	7	53	28	13	544	64	15	53	23	10	547
C. easier than my regular schoolwork	15	2	50	1	25	0	0	1	25	553	15	7	40	33	20	541	19	24	49	17	10	550
<b>On average, how many minutes a day do you spend working on mathematics in class?</b>																						
A. less than 30 minutes	11	0	0	0	0	3	100	0	0	535	13	0	28	36	36	532	7	6	39	27	27	539
B. 30–45 minutes	41	3	27	4	36	1	9	3	27	545	43	7	41	32	20	541	28	9	49	28	15	544
C. 45–60 minutes	37	3	30	4	40	3	30	0	0	550	36	7	55	24	14	545	41	17	53	21	9	548
D. more than 60 minutes	11	1	33	1	33	1	33	0	0	555	8	13	47	27	13	547	24	21	51	20	8	549
<b>How often do you use calculators in mathematics class?</b>																						
A. almost every day	0										3	0	20	20	60	526	6	14	43	24	20	543
B. two or three days a week	0										7	0	38	23	38	534	24	17	52	21	10	548
C. two or three times each month	26	2	29	3	43	2	29	0	0	551	32	5	44	30	21	542	33	17	52	21	9	548
D. never or almost never	74	5	25	6	30	6	30	3	15	546	59	9	47	30	15	544	38	12	49	25	14	545
<b>How often do you use hands-on materials in mathematics class?</b>																						
A. almost every day	7	0	0	1	50	1	50	0	0	539	15	0	38	31	31	536	23	13	47	26	15	545
B. two or three days a week	30	3	38	2	25	2	25	1	13	550	29	5	45	32	18	542	31	17	52	21	10	548
C. two or three times each month	37	4	40	3	30	3	30	0	0	551	31	8	40	32	20	542	27	17	52	21	10	548
D. never or almost never	26	0	0	3	43	2	29	2	29	539	26	10	55	22	14	544	20	12	50	24	14	545
<b>Optional school/SAU question</b>																						
A.	0										0											
B.	0										25	0	0	0	100	508						
C.	0										25	0	0	0	100	508						
D.	100	0	0	1	100	0	0	0	0	560	50	0	100	0	0	553						

# SCIENCE RESULTS

Test Date: March 2009  
Grade: 5  
SAU: MSAD 54  
School: Canaan Elementary School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (Scaled Score 562–580)	2008-2009*	0	0	2	1	626	4
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (Scaled Score 542–560)	2008-2009*	17	63	83	41	7187	51
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (Scaled Score 532–540)	2008-2009*	8	30	81	40	4364	31
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems. Explanations are illogical, incomplete, or missing. There are many inaccuracies. (Scaled Score 500–530)	2008-2009*	2	7	35	17	1818	13

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
<b>Science Total Points</b>	48	100	29.9	62.3	27.1	56.5	29.2	60.8
<b>D. The Physical Setting</b>	24	50	13.5	56.3	11.8	49.2	12.9	53.8
<b>E. The Living Environment</b>	24	50	16.4	68.3	15.3	63.8	16.3	67.9

The MEA assesses students’ science knowledge based on questions that measure the science accountability content standards highlighted in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard D. The Physical Setting  
D1 - Universe and Solar System  
D2 - Earth  
D3 - Matter and Energy  
D4 - Force and Motion

Content Standard E. The Living Environment  
E1 - Biodiversity  
E2 - Ecosystems  
E3 - Cells  
E4 - Heredity and Reproduction  
E5 - Evolution

# SCIENCE RESULTS

## (CONTINUED)

Test Date: March 2009  
Grade: 5  
SAU: MSAD 54  
School: Canaan Elementary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	27	0	0	17	63	8	30	2	7	544	201	1	41	40	17	540	13995	4	51	31	13	543
<b>Ethnicity</b>																						
African American/Black	1										3						382	2	31	32	35	535
American Indian or Native Alaskan	0										0						110	3	36	35	26	538
Asian or Pacific Islander	0										2						256	5	51	27	17	542
Hispanic	0										1						167	1	40	37	22	539
Caucasian/White	26	0	0	16	62	8	31	2	8	544	195	1	41	41	18	540	13080	5	52	31	12	544
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	7	0	0	3	43	2	29	2	29	539	38	0	26	47	26	536	2309	2	29	39	29	536
No	20	0	0	14	70	6	30	0	0	546	163	1	45	39	15	541	11686	5	56	30	10	545
<b>Current LEP</b>																						
Yes	0										1						361	1	23	32	44	533
No	27	0	0	17	63	8	30	2	7	544	200	1	41	41	18	540	13634	5	52	31	12	544
<b>Economically disadvantaged</b>																						
Yes	19	0	0	11	58	7	37	1	5	542	108	0	36	43	21	538	5729	2	42	37	20	539
No	8	0	0	6	75	1	13	1	13	548	93	2	47	38	13	542	8266	6	58	27	8	546
<b>Migrant</b>																						
Yes	0										0						8	0	25	13	63	530
No	27	0	0	17	63	8	30	2	7	544	201	1	41	40	17	540	13987	4	51	31	13	543
<b>Gender</b>																						
Female	19	0	0	10	53	8	42	1	5	542	107	0	34	44	22	538	6886	4	49	33	14	542
Male	8	0	0	7	88	0	0	1	13	550	94	2	50	36	12	542	7109	5	54	29	12	544
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	4										33	0	27	39	33	534	1917	1	31	41	28	536
No	23	0	0	14	61	7	30	2	9	544	168	1	44	40	14	541	12078	5	55	30	11	544
<b>Gifted/talented program</b>																						
Yes	0										0						450	25	72	2	1	557
No	27	0	0	17	63	8	30	2	7	544	201	1	41	40	17	540	13545	4	51	32	13	543

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# SCIENCE RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009

Grade: 5

SAU: MSAD 54

School: Canaan Elementary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	0										5	0	50	20	30	538	4	2	37	35	25	538
B. less than one hour	67	0	0	9	50	8	44	1	6	542	61	2	38	44	16	540	70	4	53	31	12	544
C. one to two hours	26	0	0	6	86	0	0	1	14	548	29	0	43	41	16	540	24	5	51	31	12	544
D. more than two hours	7	0	0	2	100	0	0	0	0	547	5	0	60	20	20	544	2	4	39	31	26	539
<b>Which of the following best describes how you rate yourself as a student in science?</b>																						
A. very good	22	0	0	4	67	2	33	0	0	548	35	1	41	38	19	540	26	7	56	26	11	545
B. good	59	0	0	11	69	3	19	2	13	544	44	1	45	41	13	541	53	4	53	31	11	544
C. fair	15	0	0	1	25	3	75	0	0	537	19	0	32	47	21	538	18	2	41	39	17	540
D. poor	4	0	0	1	100	0	0	0	0	552	2	0	67	0	33	540	3	1	33	36	30	536
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about science?</b>																						
A. The questions on the test match what I have learned in science class.	11	0	0	3	100	0	0	0	0	549	21	2	38	45	14	541	23	5	56	28	11	544
B. They match some of what I have learned.	59	0	0	9	56	7	44	0	0	545	44	1	45	40	14	541	48	5	52	31	12	544
C. They match just a little of what I have learned.	30	0	0	5	63	1	13	2	25	541	26	0	38	40	22	538	23	4	49	33	14	543
D. There is no match.	0										9	0	39	39	22	539	6	3	40	34	23	539
<b>How difficult was the science part of this test?</b>																						
A. more difficult than my regular schoolwork	26	0	0	4	57	3	43	0	0	543	24	0	48	37	15	541	23	5	48	31	16	543
B. about the same as my regular schoolwork	52	0	0	8	57	4	29	2	14	543	54	1	41	42	16	540	58	4	52	32	12	543
C. easier than my regular schoolwork	22	0	0	5	83	1	17	0	0	549	22	2	37	42	19	540	19	6	53	29	11	544
<b>How often do you have science classes?</b>																						
A. every day	26	0	0	4	57	2	29	1	14	545	27	0	40	42	19	540	33	5	51	31	14	543
B. a few times a week	70	0	0	12	63	6	32	1	5	544	50	1	41	43	14	540	45	4	52	32	11	544
C. once a week	4	0	0	1	100	0	0	0	0	546	7	7	50	43	0	546	8	4	50	30	16	542
D. a few times a month	0										16	0	42	29	29	538	15	4	52	30	14	543
<b>Which statement best describes how you learn science?</b>																						
A. I mostly read a textbook and answer questions, and/or take notes and do assignments. I use science kits for demonstrations and experiments.	30	0	0	3	38	5	63	0	0	539	32	0	38	44	17	539	30	3	48	35	14	542
B. I work in groups to design and conduct experiments.	0										19	0	24	53	24	536	23	2	43	37	18	540
C. I do a combination of A and B, mostly A.	44	0	0	8	67	2	17	2	17	544	30	2	47	39	12	542	27	6	58	26	9	546
D. I do a combination of A and B, mostly B.	26	0	0	6	86	1	14	0	0	550	18	3	54	26	17	543	21	6	58	27	10	545
<b>How often do you make observations and collect data in science class?</b>																						
A. a few times a week	33	0	0	6	67	2	22	1	11	543	45	1	41	43	15	540	47	4	51	32	12	543
B. a few times a month	33	0	0	5	56	4	44	0	0	546	29	2	42	47	9	542	27	5	54	30	11	544
C. once a month	15	0	0	2	50	1	25	1	25	539	12	0	39	26	35	536	10	5	49	30	15	543
D. never or almost never	19	0	0	4	80	1	20	0	0	547	14	0	43	32	25	537	15	3	48	32	16	542
<b>How often do you use observations and data to support your idea about science?</b>																						
A. a few times a week	35	0	0	7	78	2	22	0	0	546	38	1	42	40	16	540	46	4	52	32	12	543
B. a few times a month	38	0	0	5	50	4	40	1	10	543	35	0	40	45	15	541	28	5	53	30	12	544
C. once a month	8	0	0	1	50	1	50	0	0	544	12	5	23	50	23	537	11	4	47	34	15	542
D. never or almost never	19	0	0	3	60	1	20	1	20	539	15	0	55	28	17	541	15	4	50	30	16	542
<b>Optional school/SAU question</b>																						
A.	0										0											
B.	0										25	0	0	0	100	500						
C.	0										25	0	0	0	100	514						
D.	100	0	0	1	100	0	0	0	0	560	50	0	50	0	50	544						

E = Exceeds the Standards   M = Meets the Standards   P = Partially Meets the Standards   D = Does Not Meet the Standards  
N = Number